

ABSTRACT OF THE DISCLOSURE

A resin composition comprises a copolymer (A) comprising ethylene as a major component produced with a single-site catalyst, and an ethylene-vinyl alcohol copolymer (B) having an ethylene content of 20-60 mol.% and a degree of hydrolysis of 95% or above, the resin composition satisfying the equation (1):

$$1/99 \leq \{\text{weight of (A)}\}/\{\text{weight of (B)}\} \leq 99/1 \quad (1)$$

A preferred resin composition comprises a copolymer (A) which has a density of 0.90-0.94 g/cm³ and the resin composition further comprises a carboxylic acid-modified polyolefin (C) and satisfies the equations (2) and (3):

$$60/40 \leq \{\text{weight of (A)}\}/\{\text{weight of (B)}\} \leq 99/1 \quad (2)$$

$$0.1/99.9 \leq X \leq 20/80 \quad (3)$$

wherein $X = \{\text{weight of (C)}\}/\{\text{total weight of (A) and (B)}\}$.

Another preferred resin composition comprises a copolymer (A) which has a density of 0.85-0.90 g/cm³, and which satisfies the equation (5):

$$1/99 \leq \{\text{weight of (A)}\}/\{\text{weight of (B)}\} \leq 40/60 \quad (5)$$

The resin composition has superior melt moldability, gas barrier properties, flexural fatigue resistance, and impact resistance. It can be used in the preparation of a multilayered structure to impart a good appearance, delamination resistance, transparency, impact resistance, and gas barrier properties to the structure.